

Fig. 1

Fig. 2

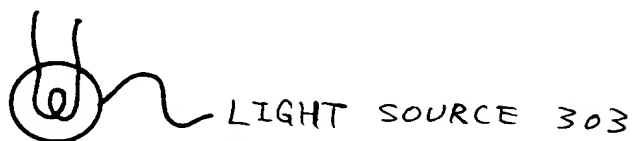
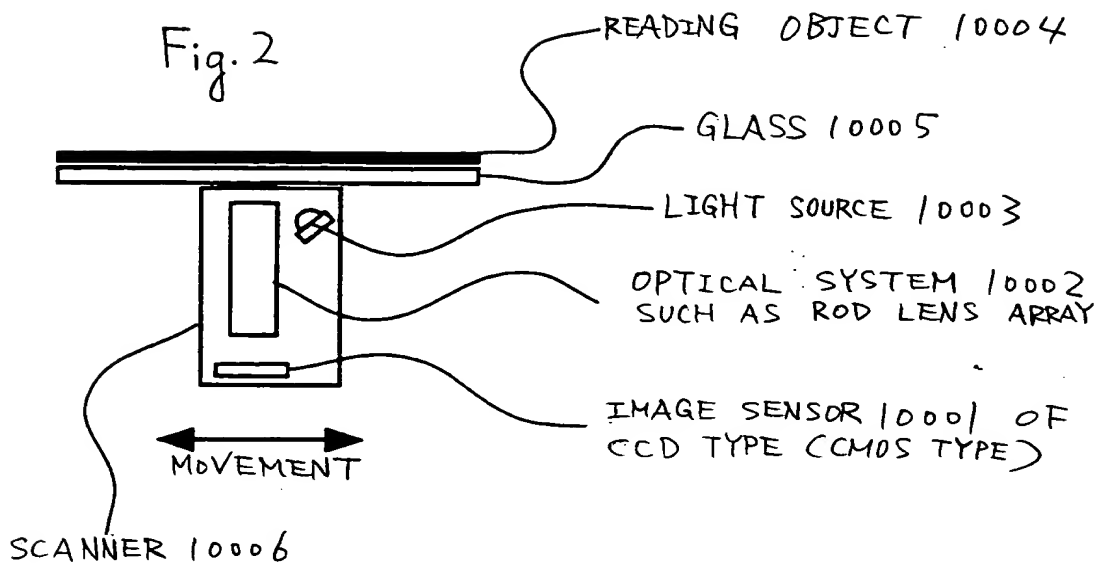


Fig. 3

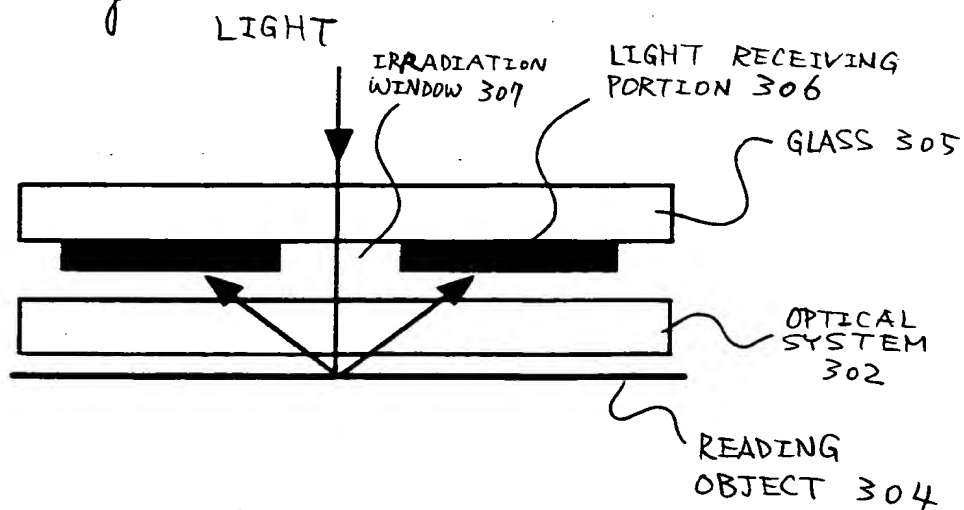


FIG. 4A

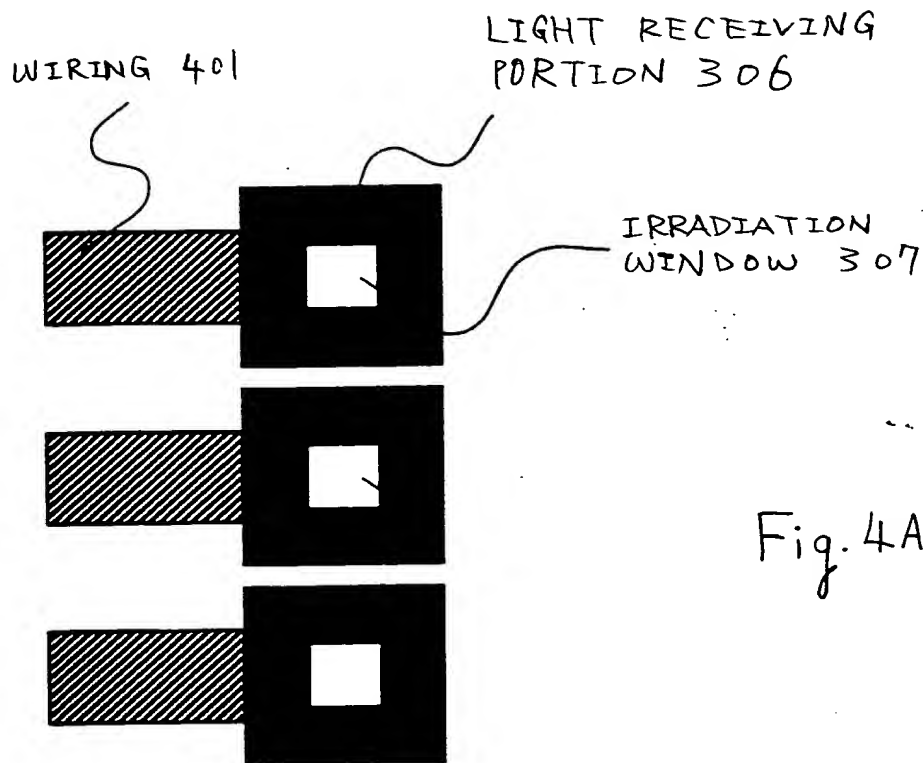


Fig. 4A

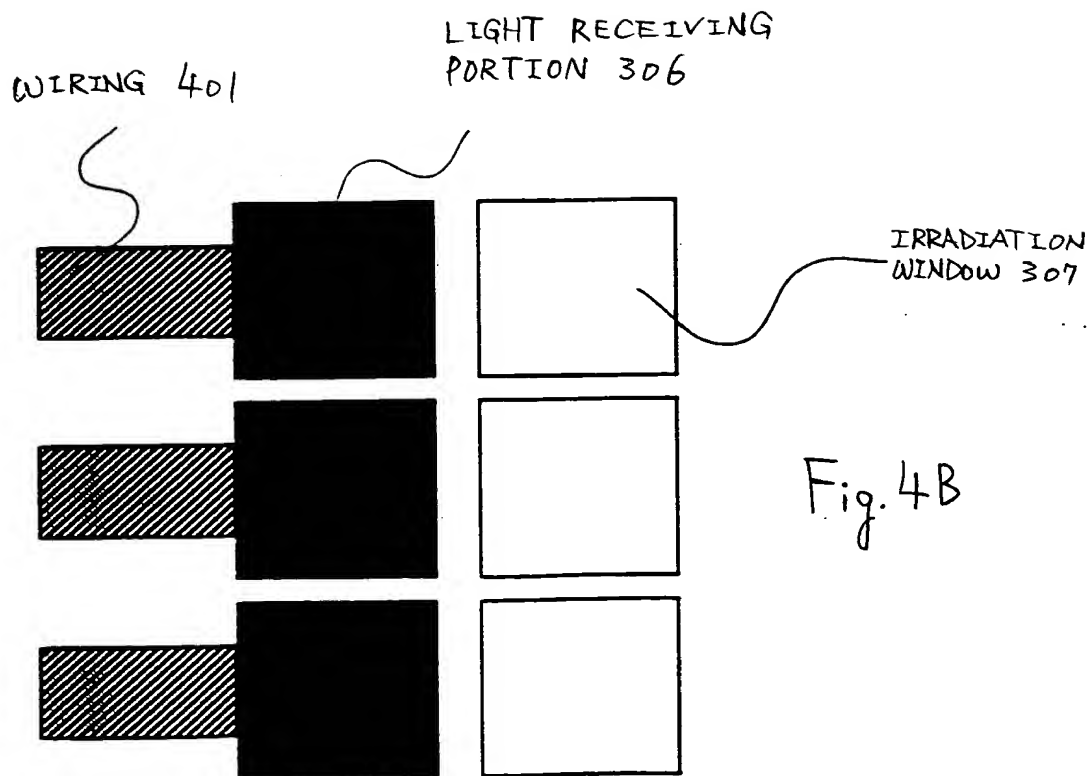
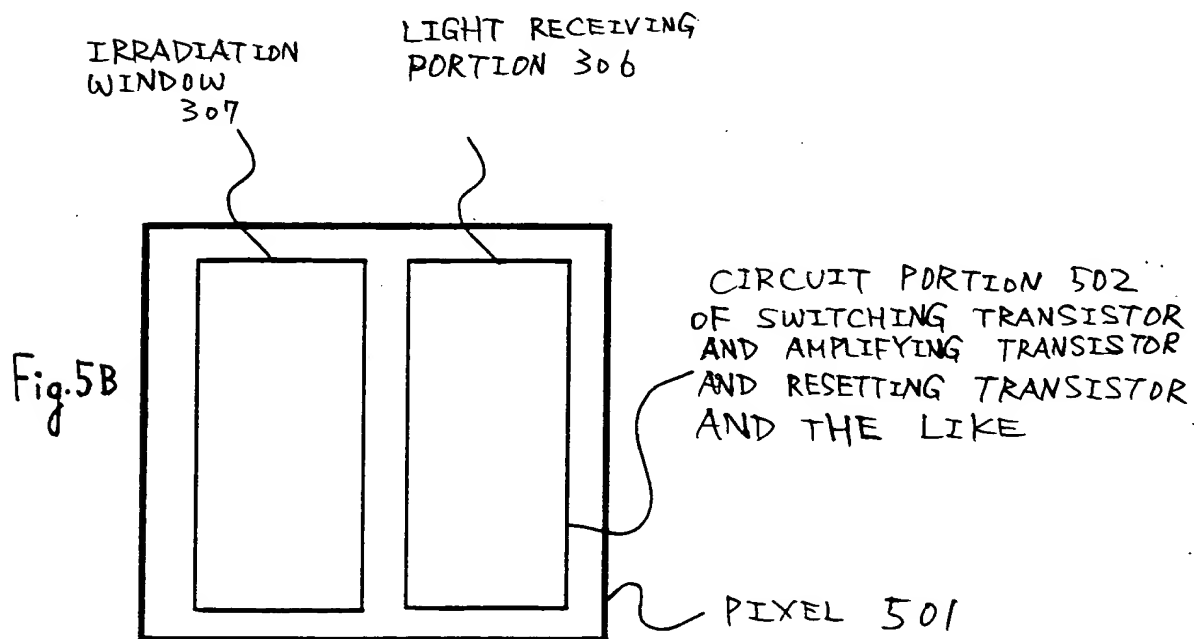
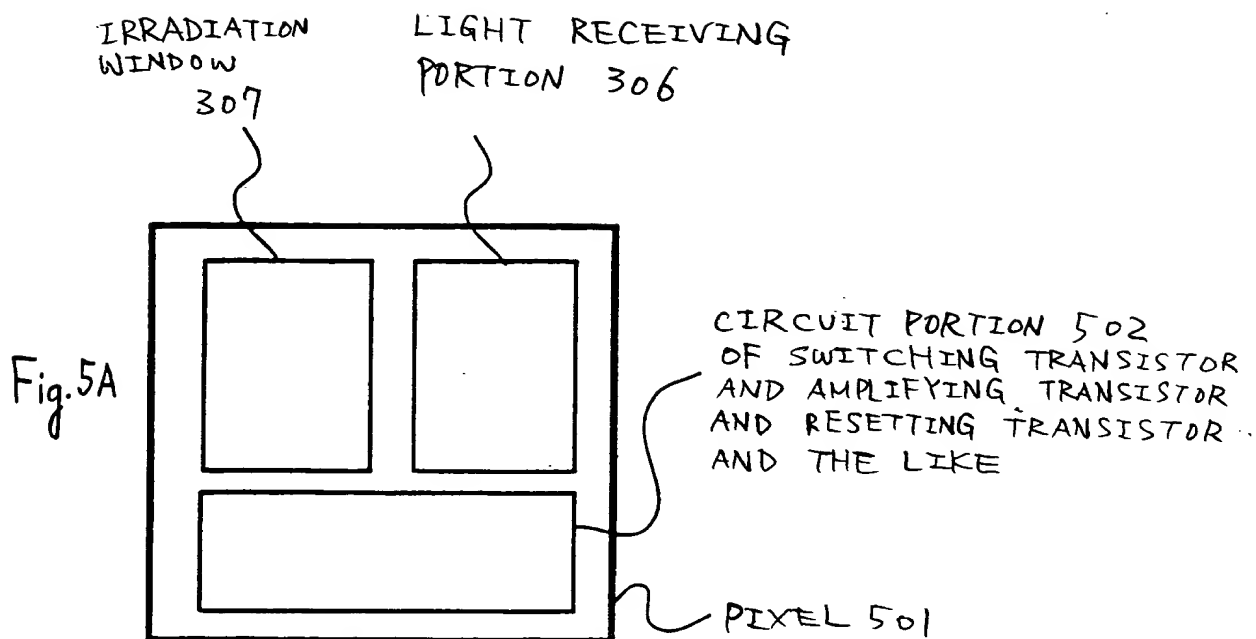


Fig. 4B



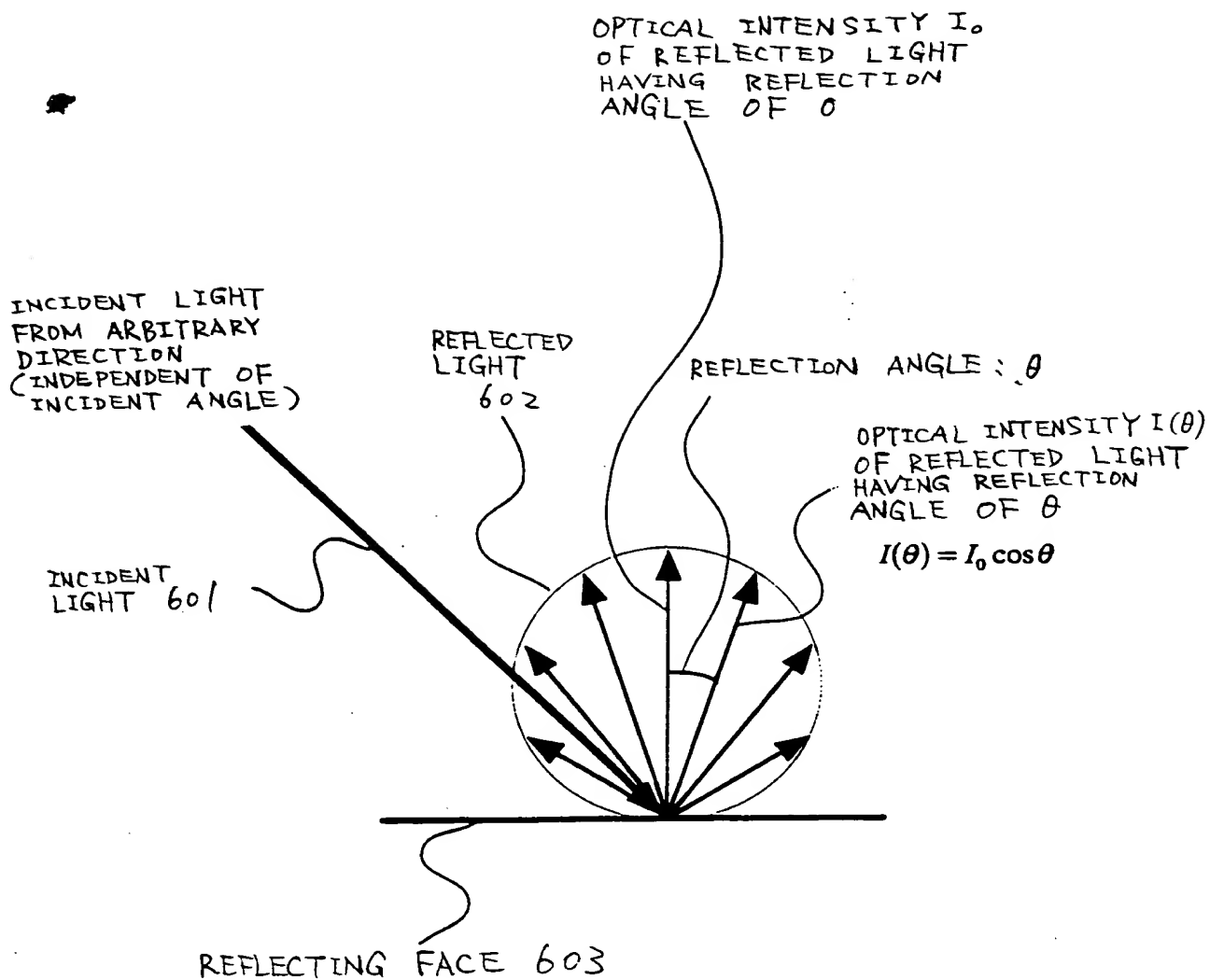


Fig. 6

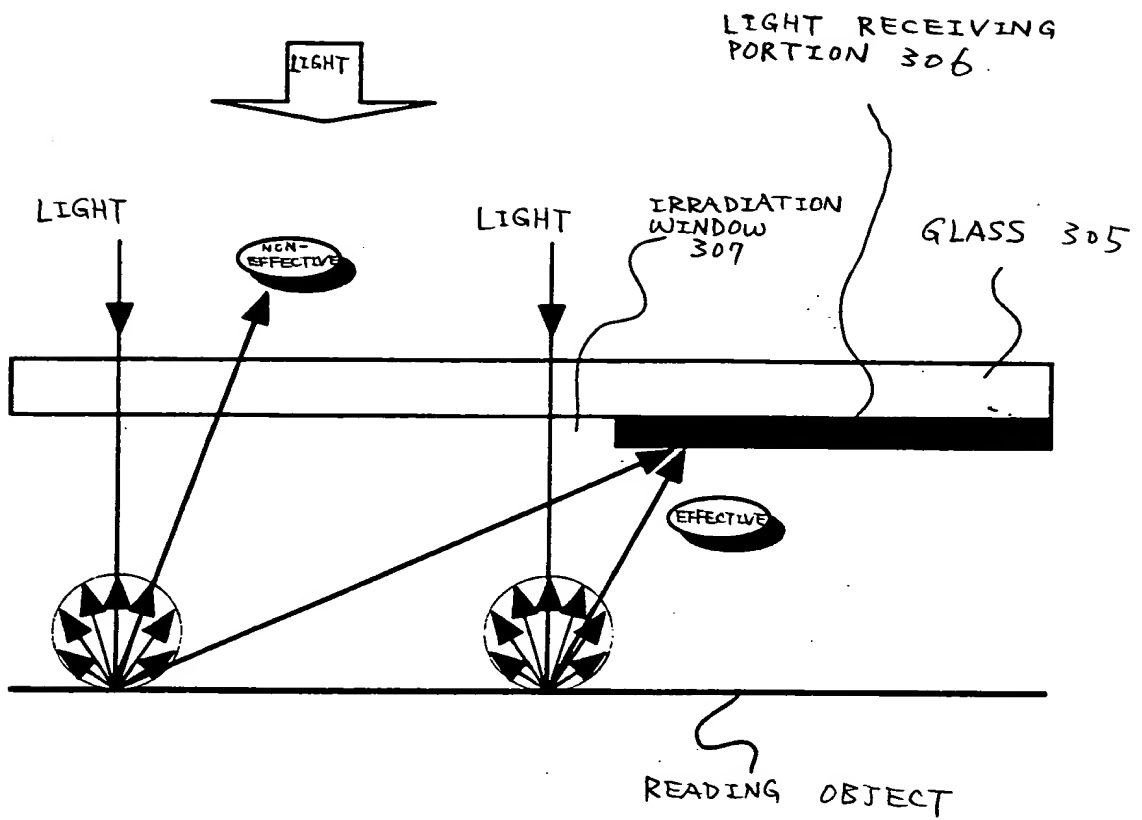


Fig-7

103020 264980

LIGHT RECEIVING PORTION 806

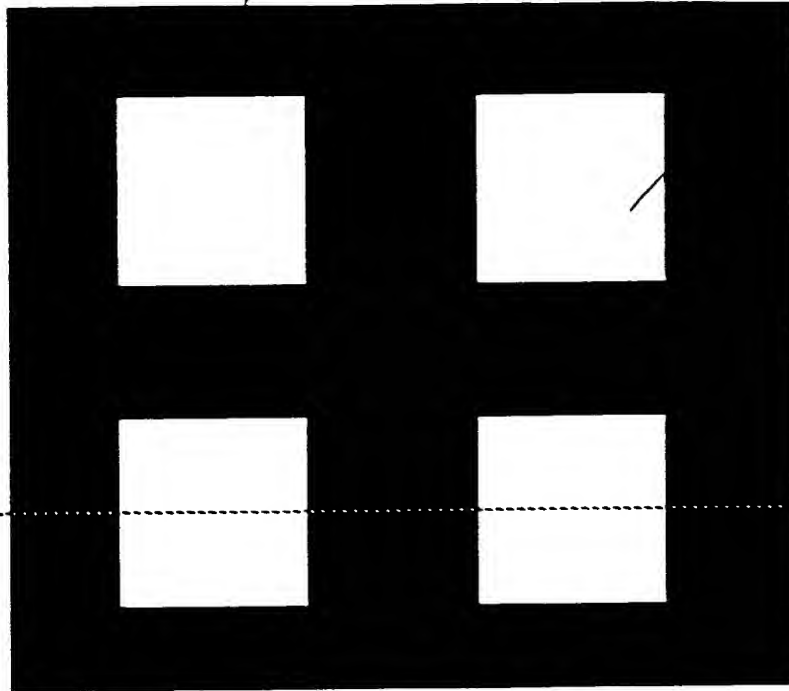
IRRADIATION
WINDOW 807

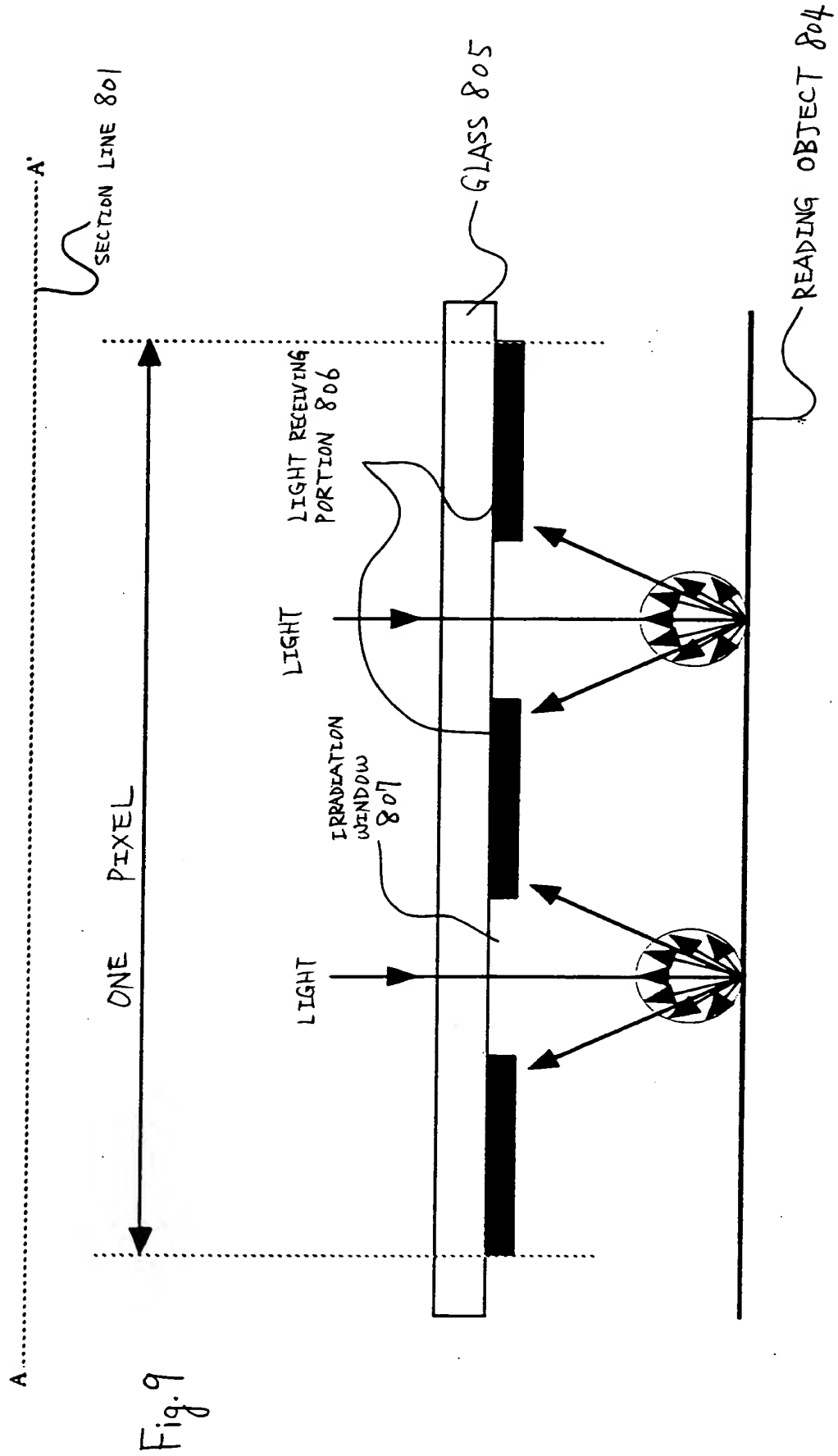
A

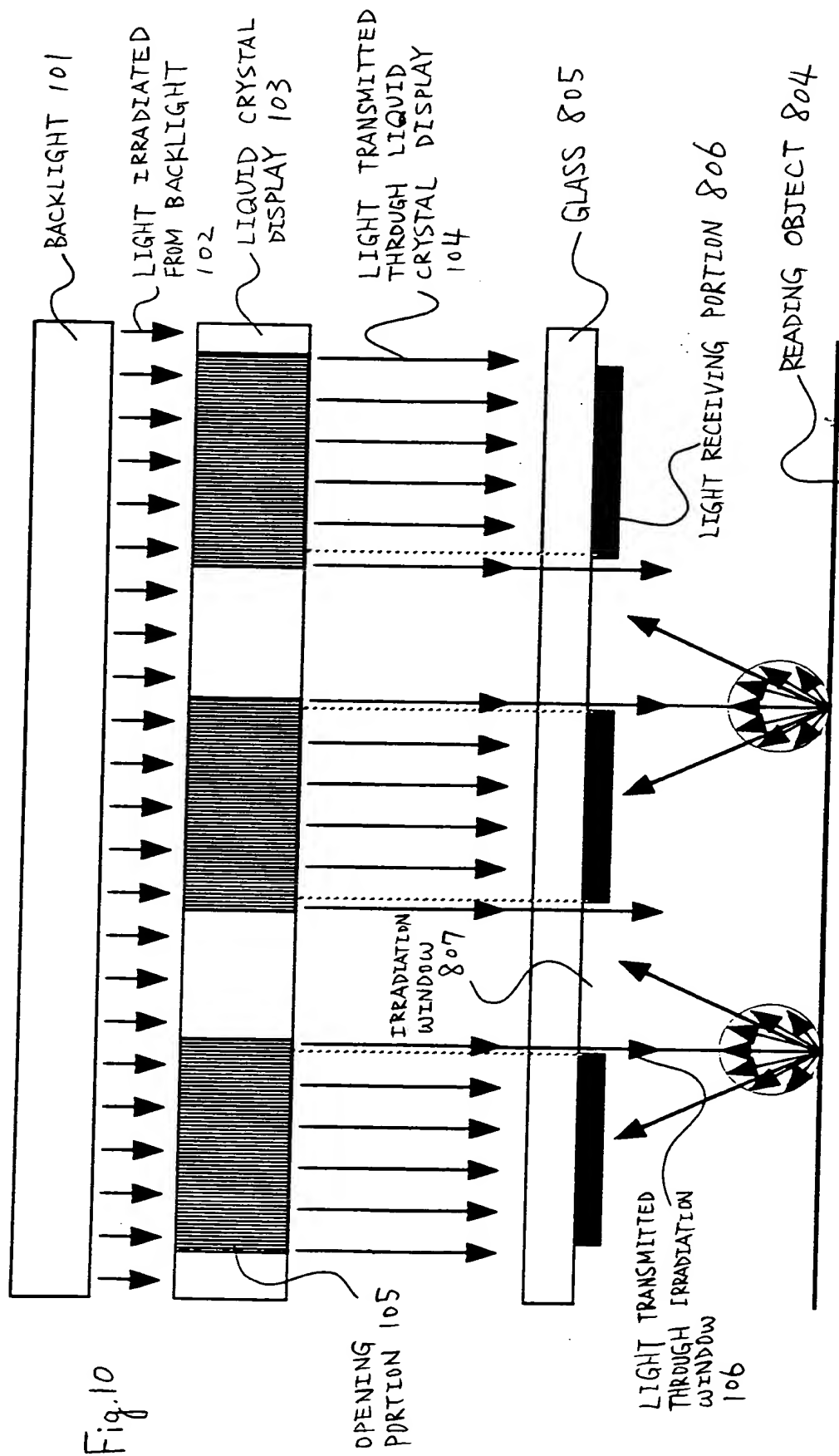
A'

SECTION
LINE 801

Fig. 8







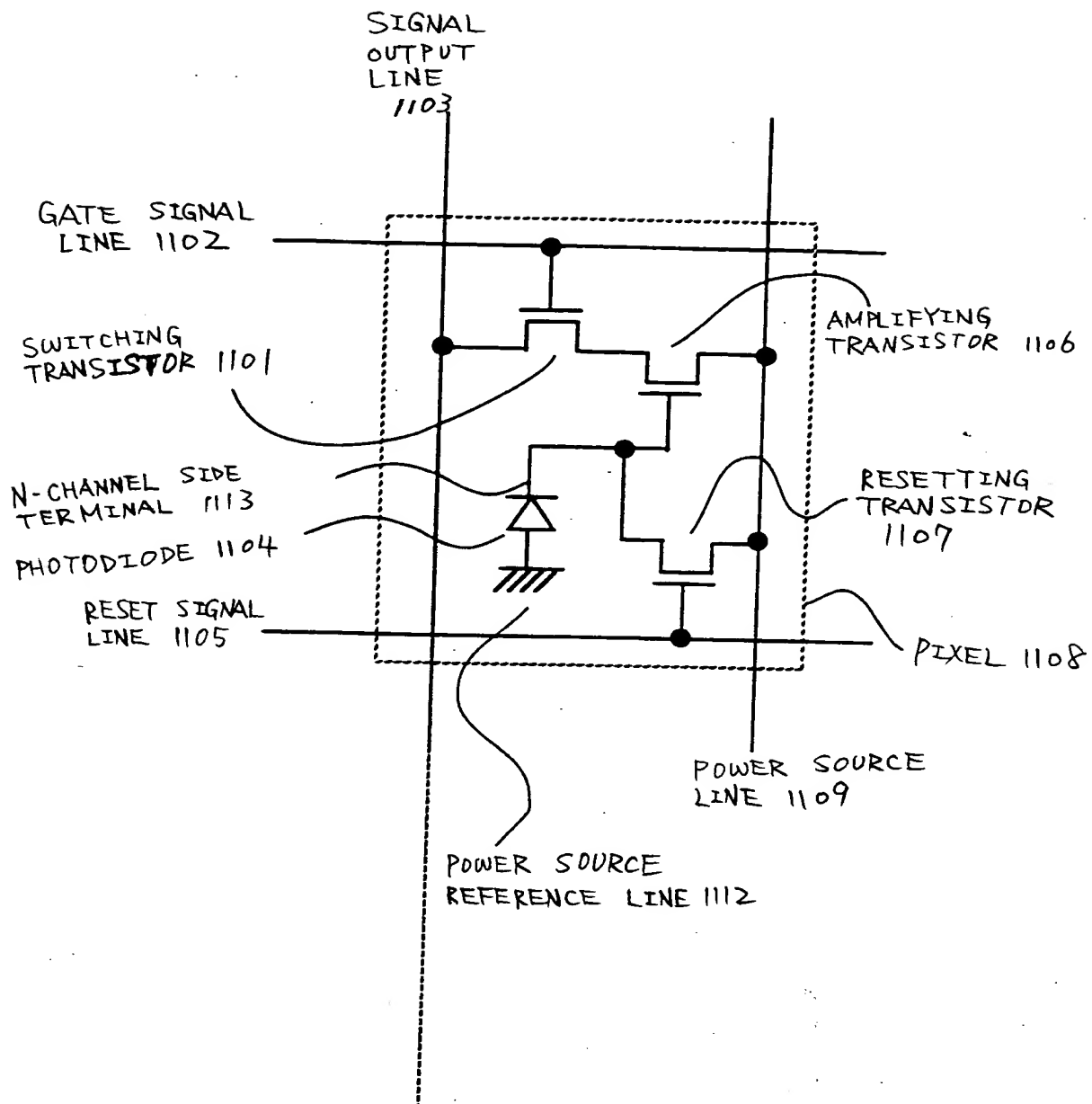


Fig. 11

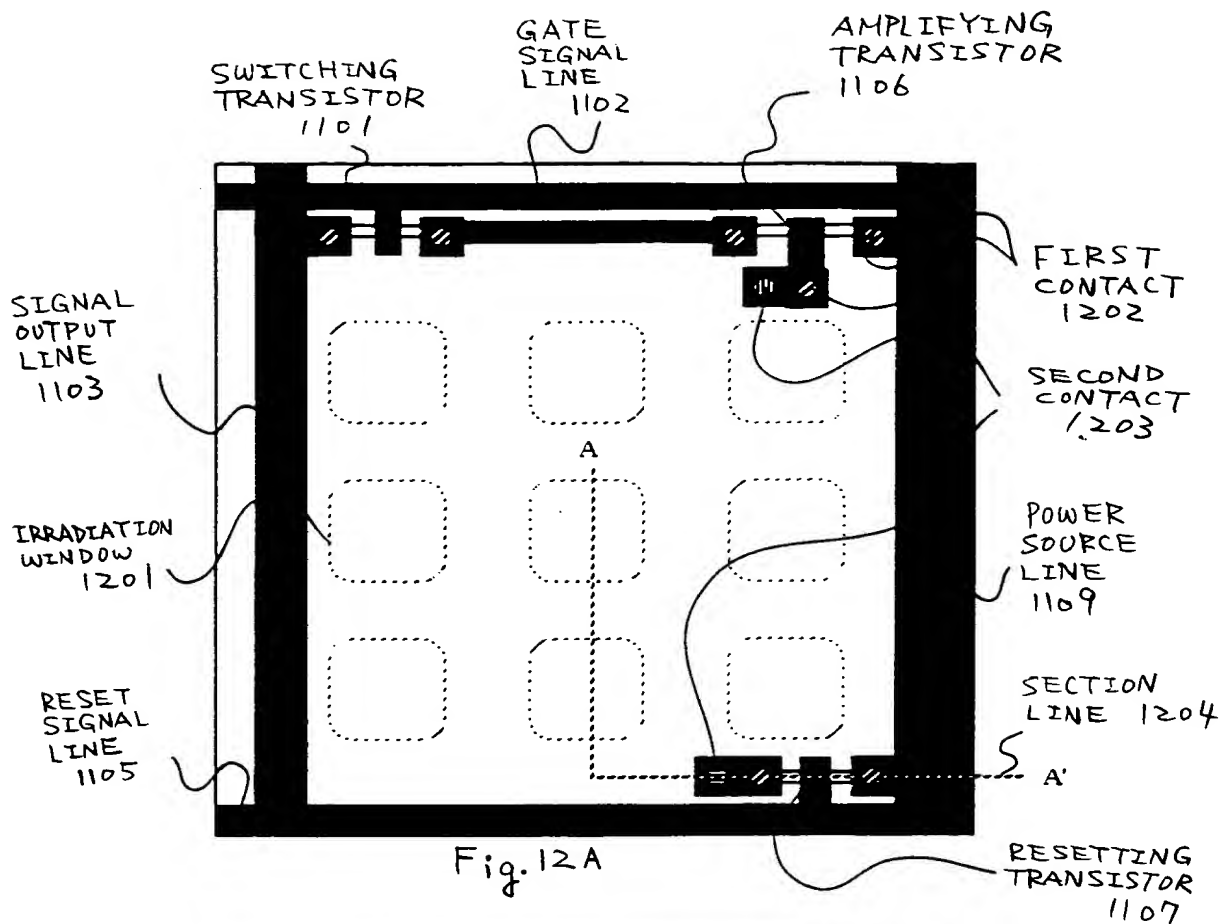


Fig. 12A

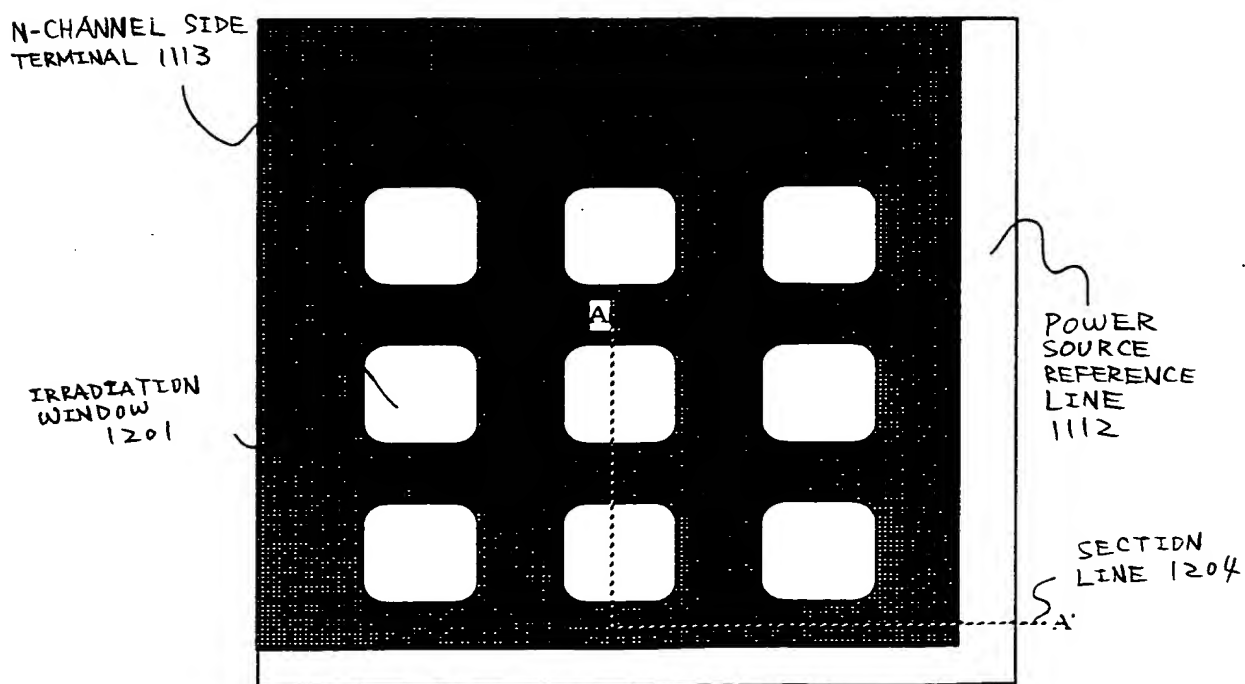
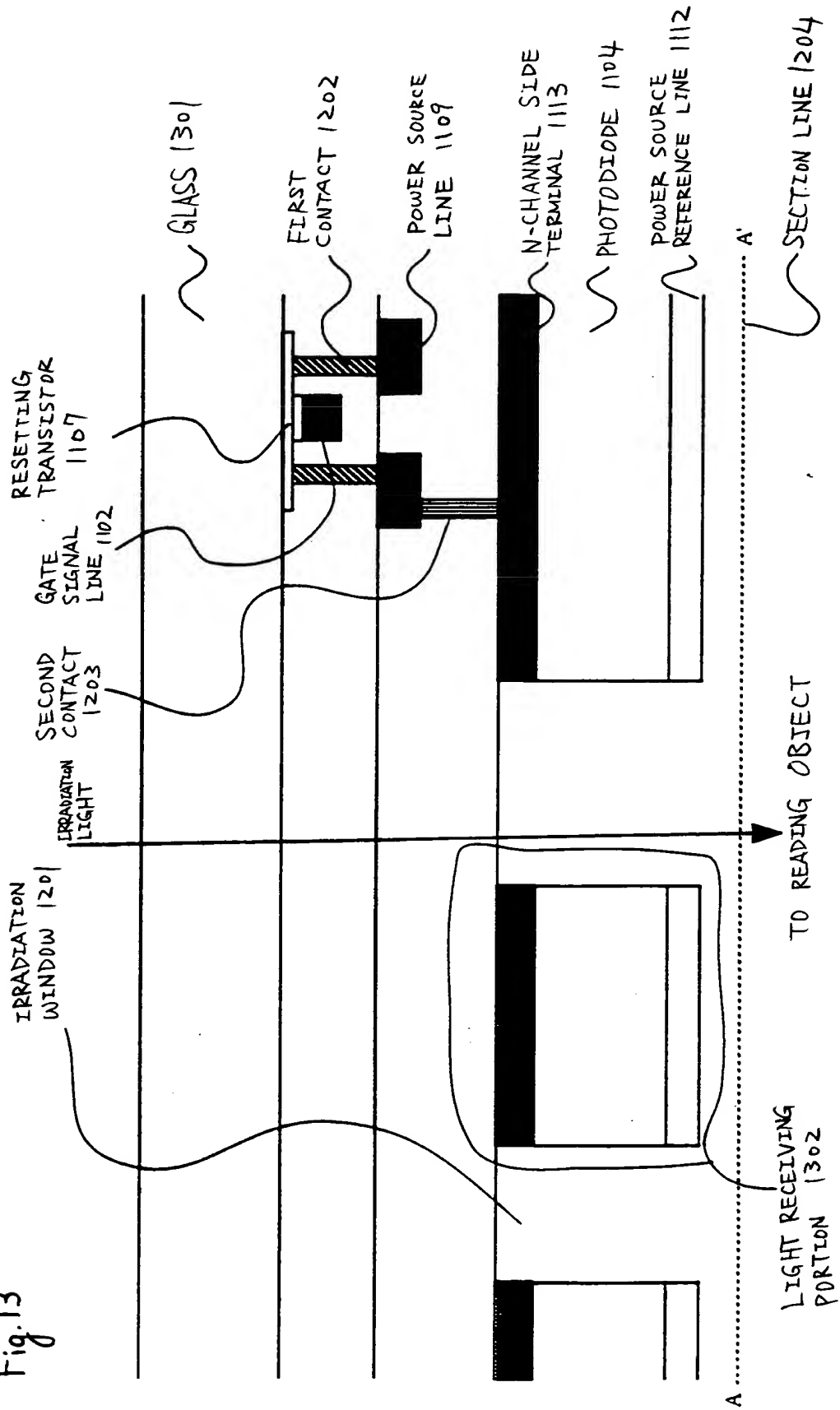


Fig. 12B

Fig. 13



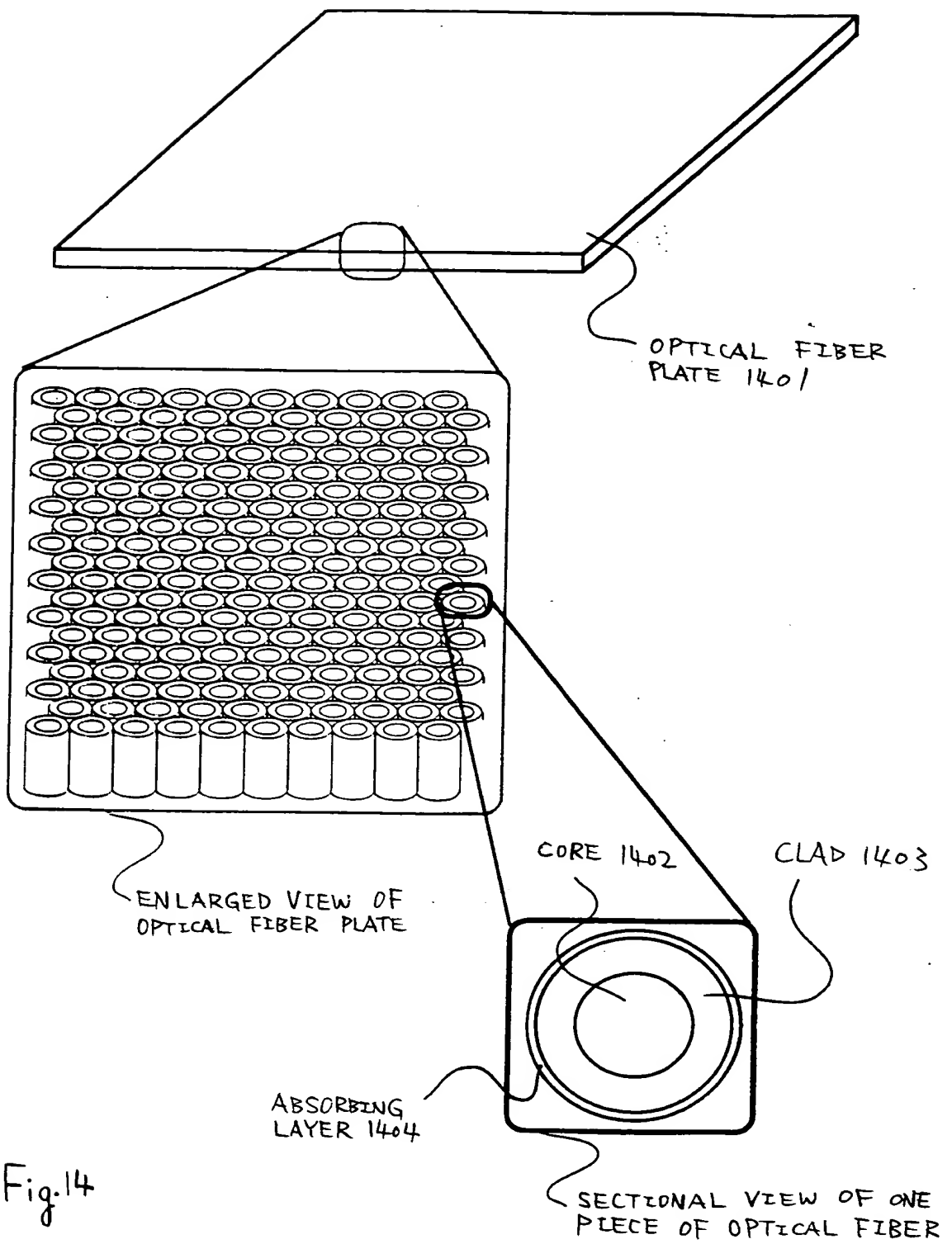


Fig. 14

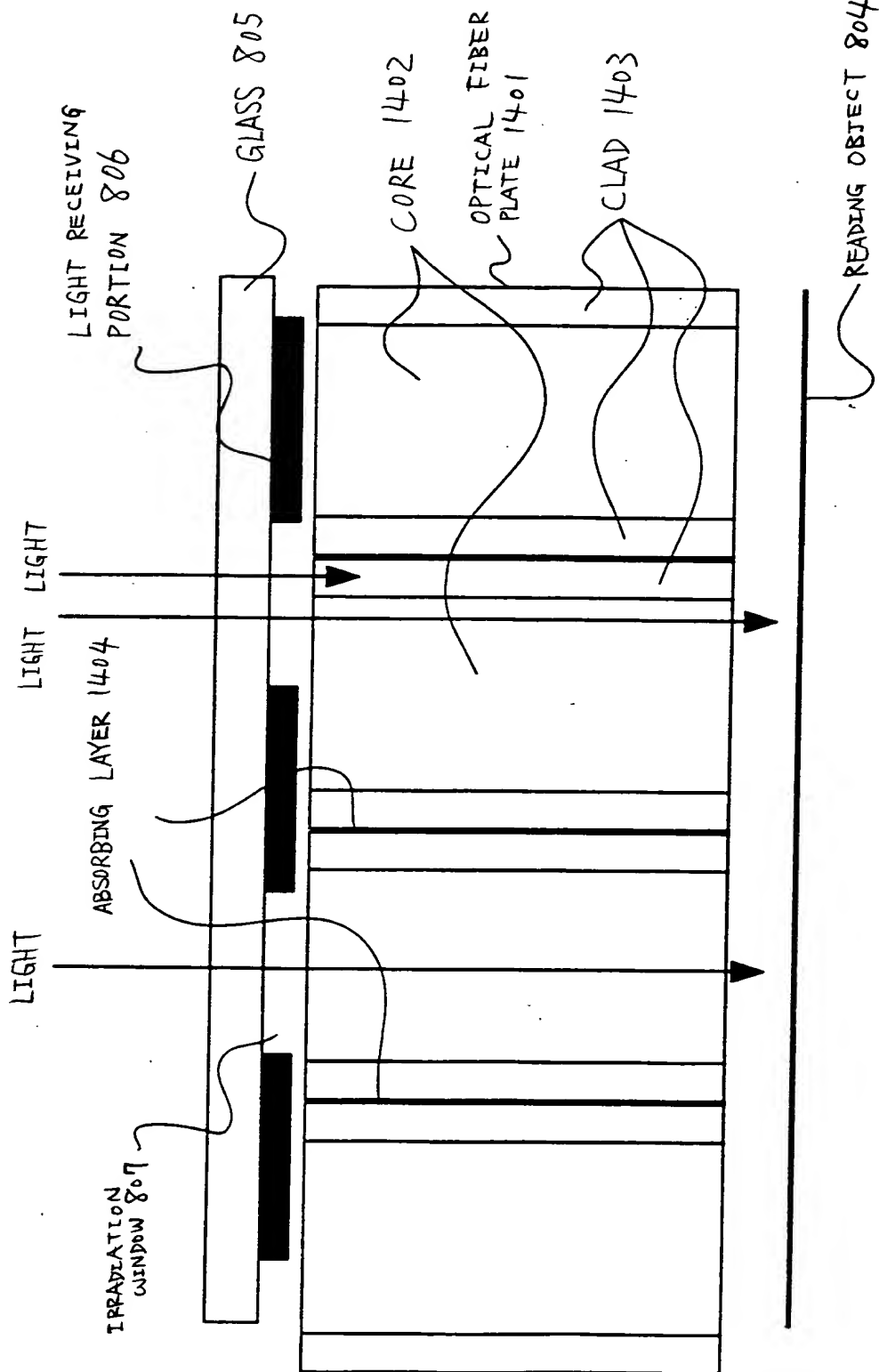


Fig. 15

UNIT PIXEL 1602 OF
LIQUID CRYSTAL DISPLAY

LIQUID CRYSTAL DISPLAY
1601

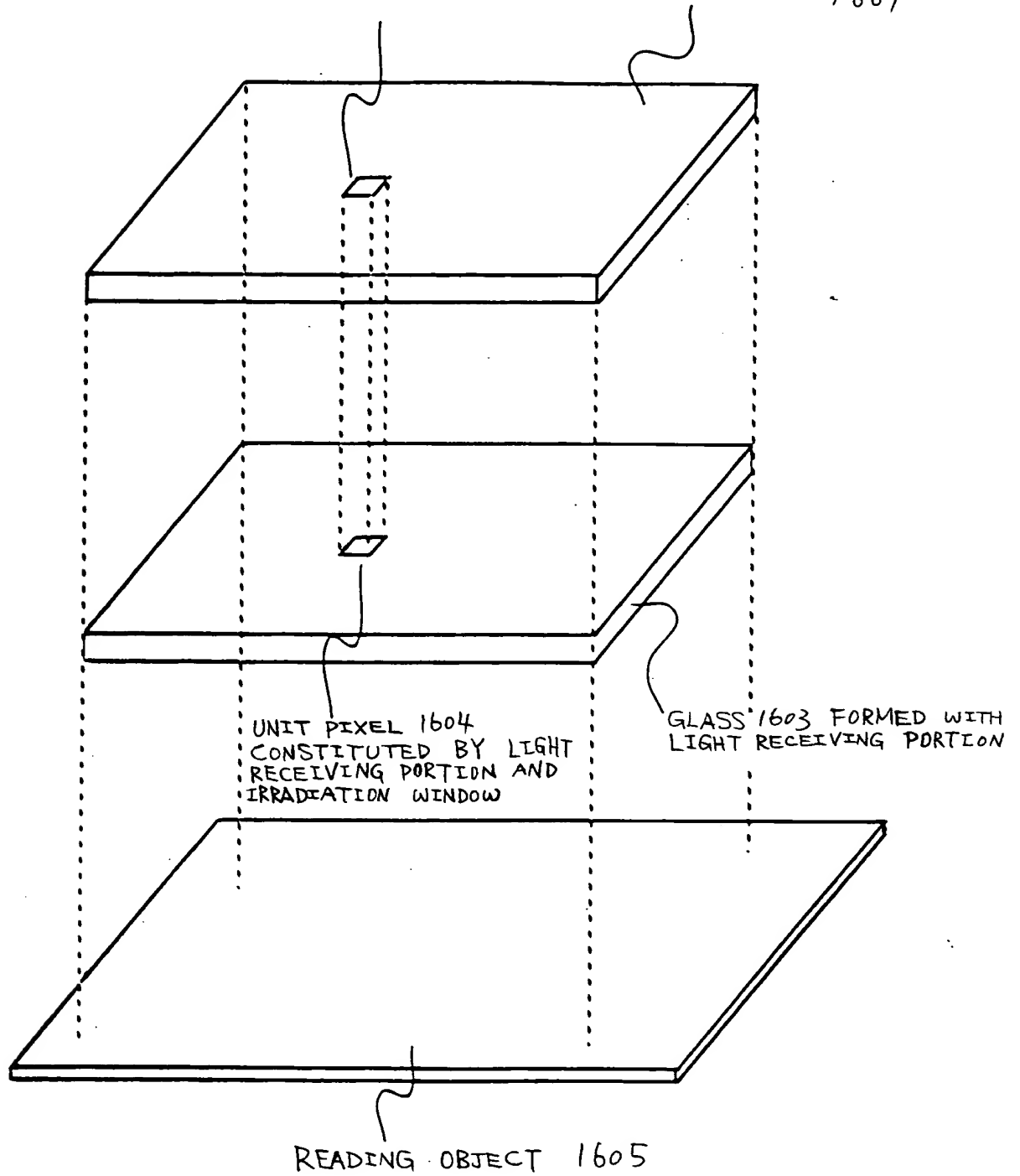


Fig. 16

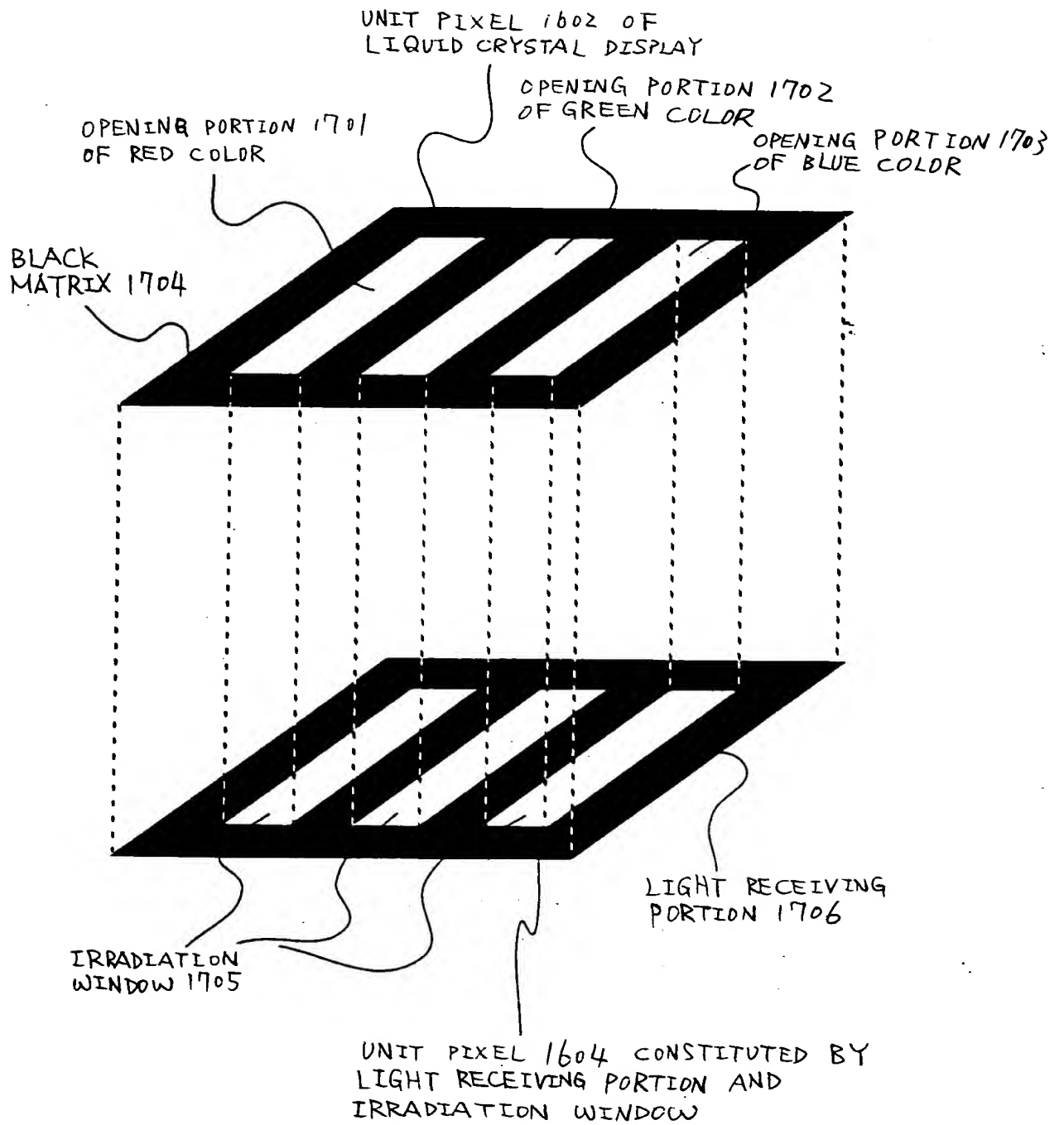


Fig. 17

j -TH COLUMN
PERIPHERAL PORTION
CIRCUIT 1809

DRIVE CIRCUIT 1801 FOR
SIGNAL OUTPUT LINE

CIRCUIT 1802 FOR SAMPLING AND
HOLDING AND SIGNAL PROCESSING

BIASING CIRCUIT 1803

CIRCUIT 1804 FOR
AMPLIFYING FINAL OUTPUT

Fig. 18

DRIVE CIRCUIT 1806
FOR GATE SIGNAL
LINE

DRIVE CIRCUIT 1807
FOR RESET SIGNAL
LINE

i -TH ROW GATE SIGNAL
LINE

PIXEL ARRANGEMENT
PORTION 1805

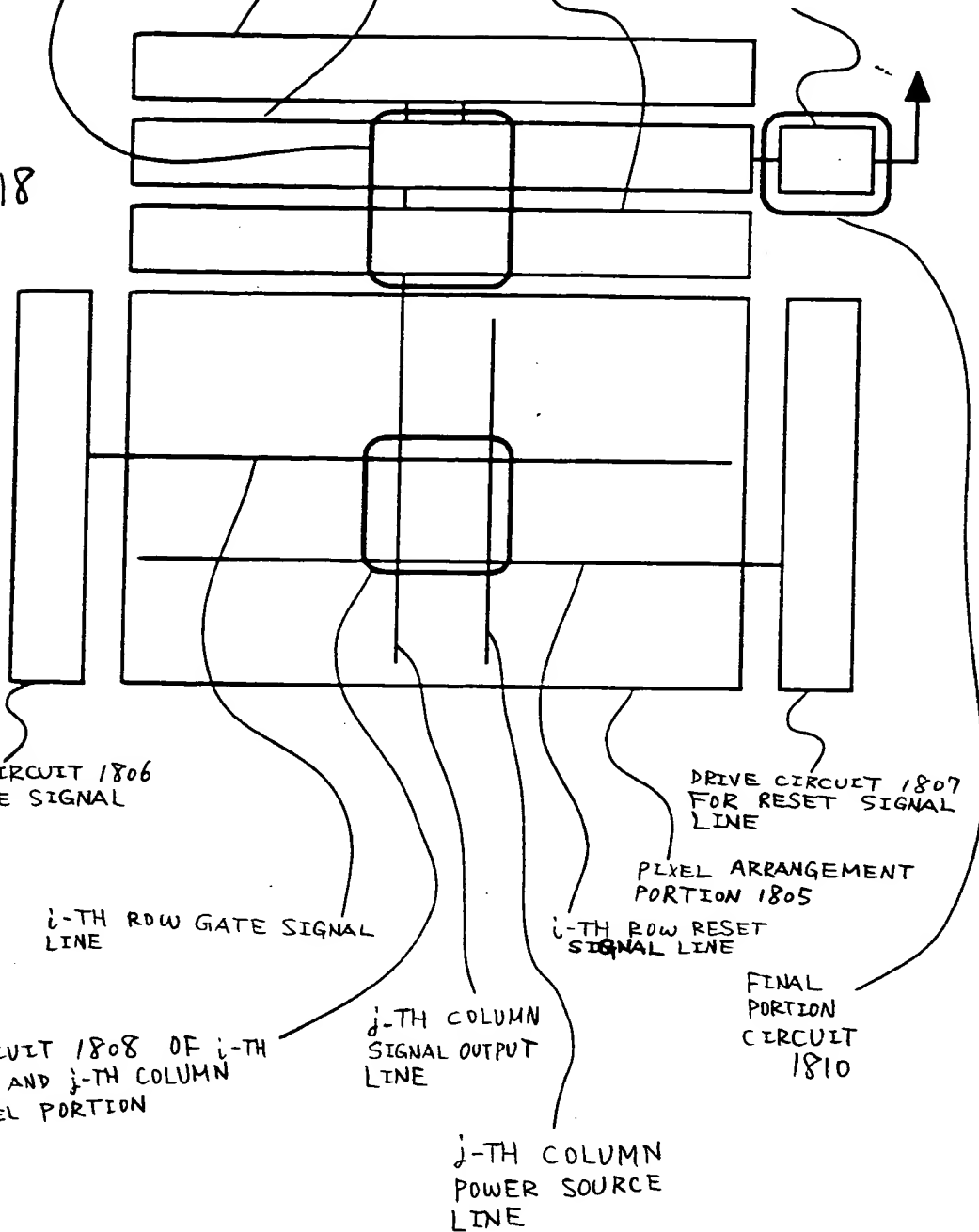
i -TH ROW RESET
SIGNAL LINE

CIRCUIT 1808 OF i -TH
ROW AND j -TH COLUMN
PIXEL PORTION

j -TH COLUMN
SIGNAL OUTPUT
LINE

FINAL
PORTION
CIRCUIT
1810

j -TH COLUMN
POWER SOURCE
LINE



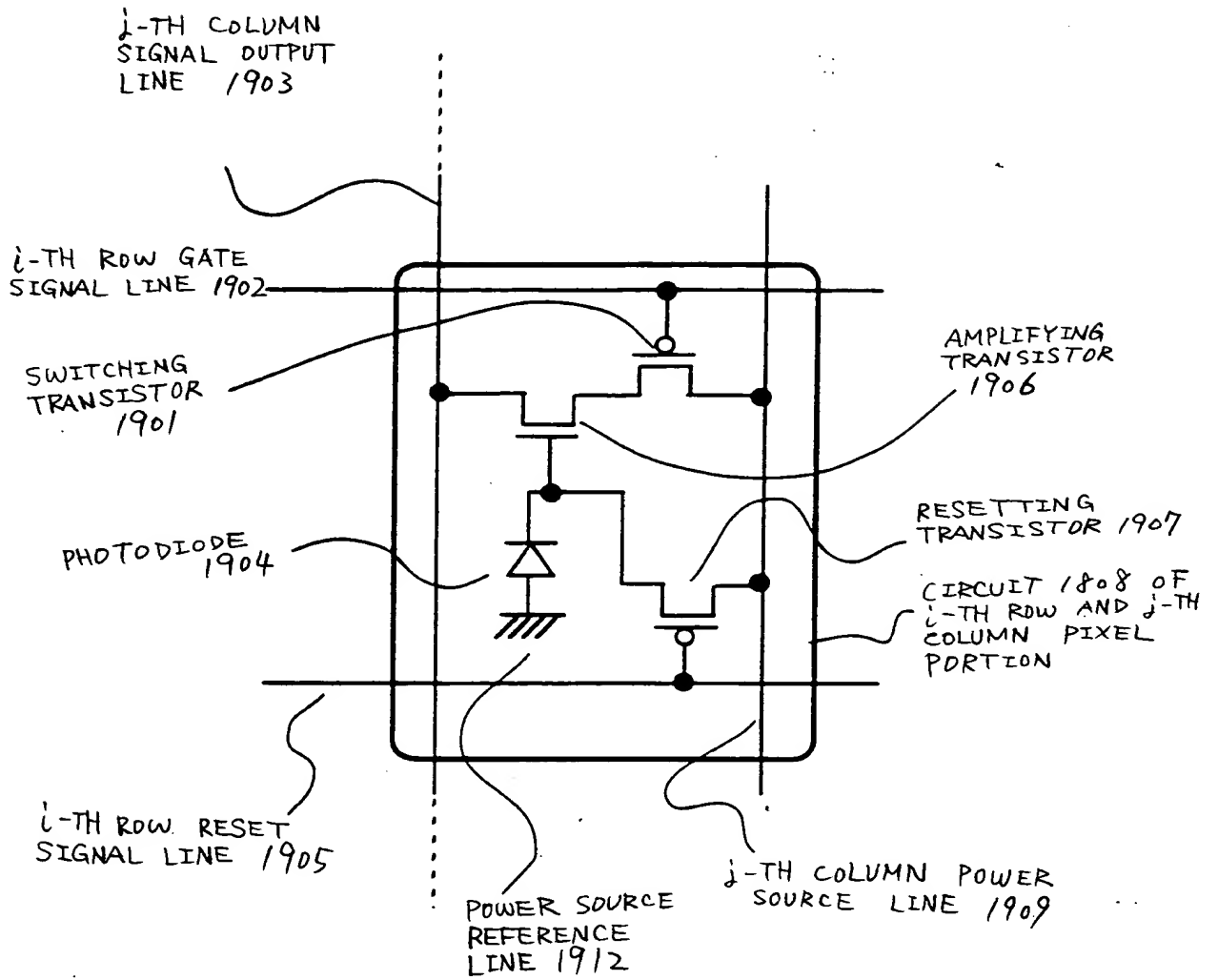


Fig. 19

i -TH ROW SIGNAL
OUTPUT LINE 2003

i -TH ROW GATE
SIGNAL LINE 2002

SWITCHING
TRANSISTOR
2001

PHOTODIODE
2004

i -TH ROW RESET
SIGNAL LINE
2005

AMPLIFYING
TRANSISTOR
2006

RESETTING
TRANSISTOR
2007

j -TH COLUMN POWER
SOURCE REFERENCE
LINE 2012

POWER SOURCE
LINE 2009

i -TH ROW AND j -TH COLUMN
PIXEL PORTION CIRCUIT 1808

BIAS SIGNAL
LINE 2010

BIASING
TRANSISTOR
2011

Fig. 20

FIG. 20

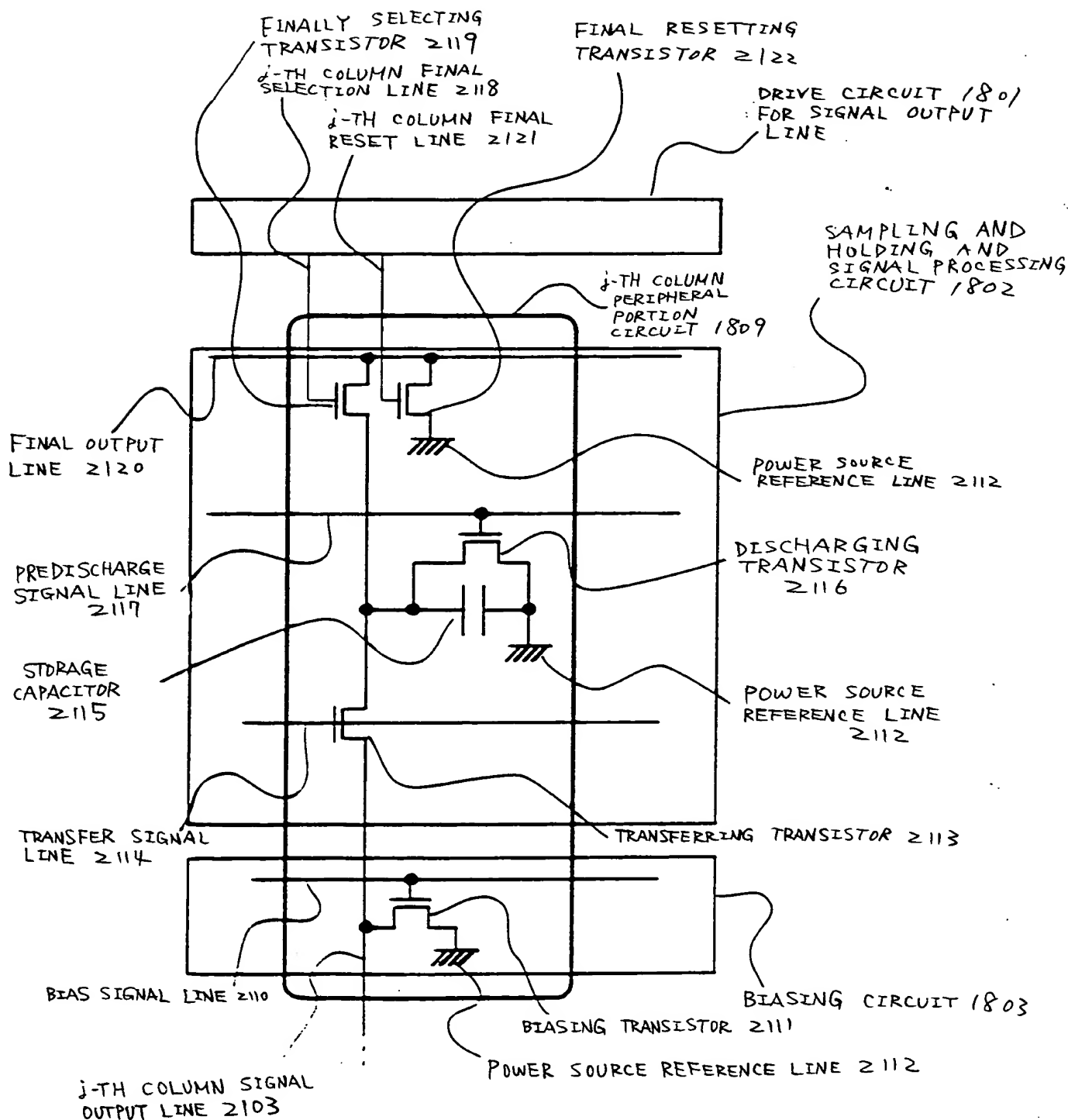


Fig. 21

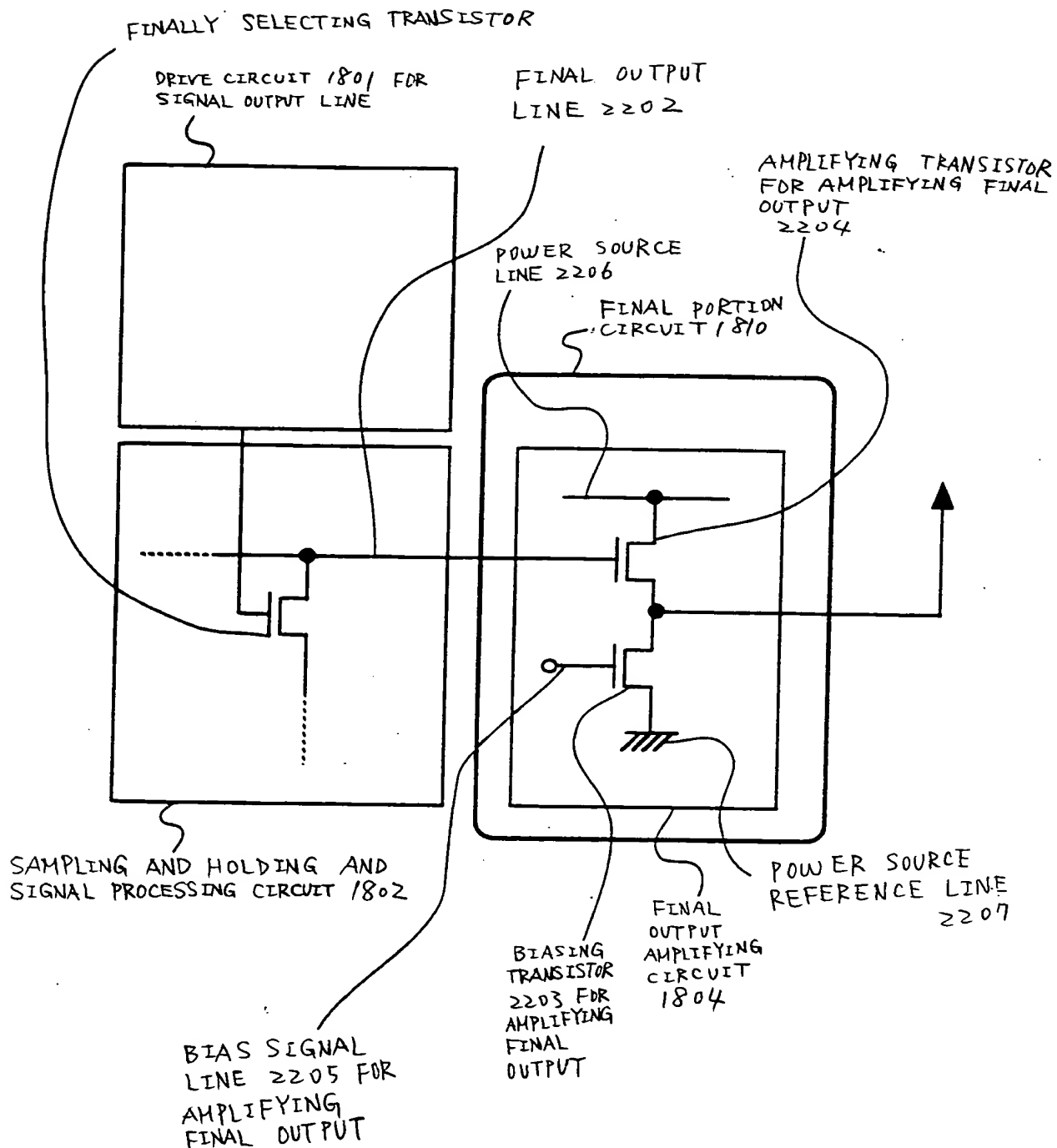


Fig. 22

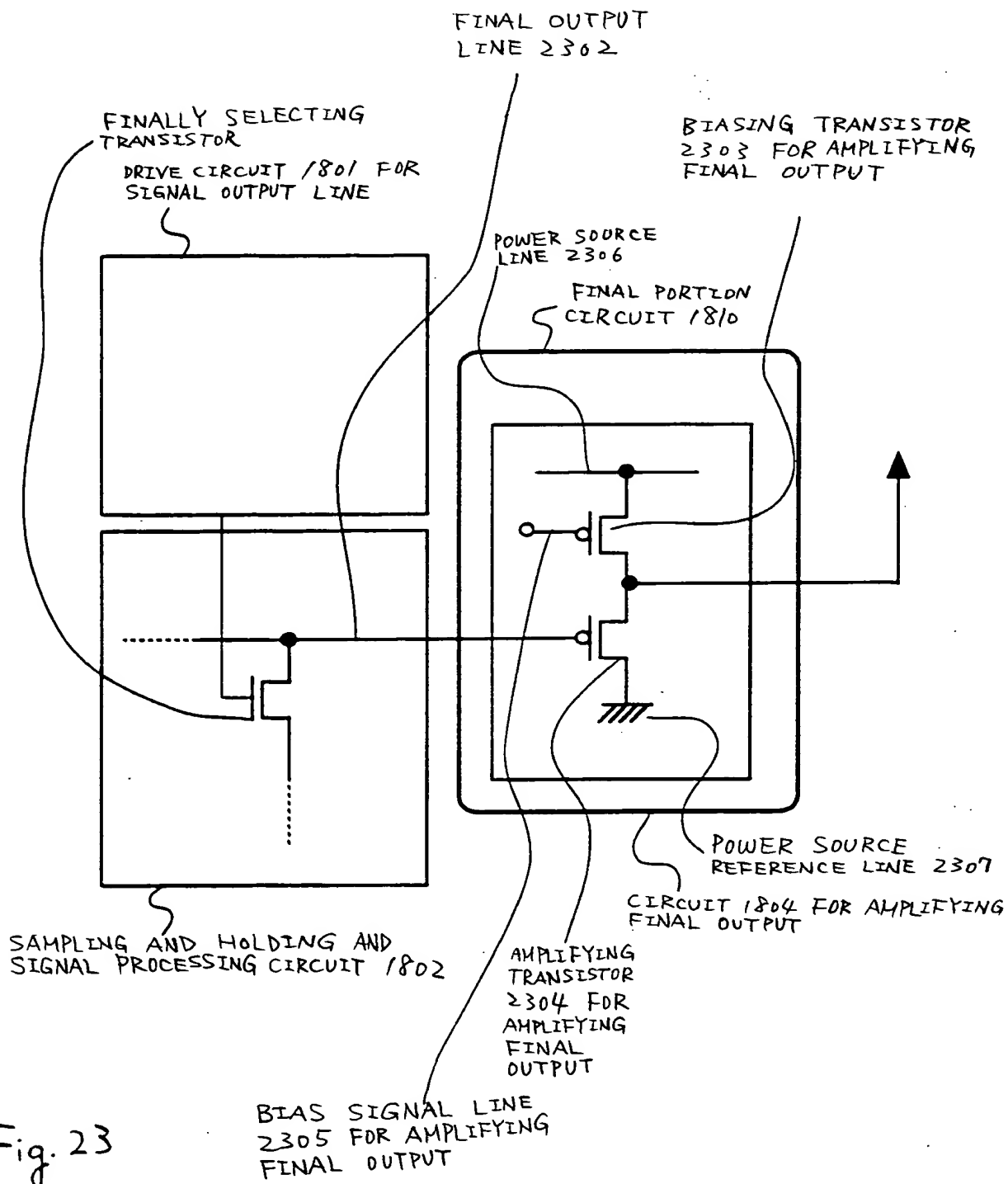


Fig. 24

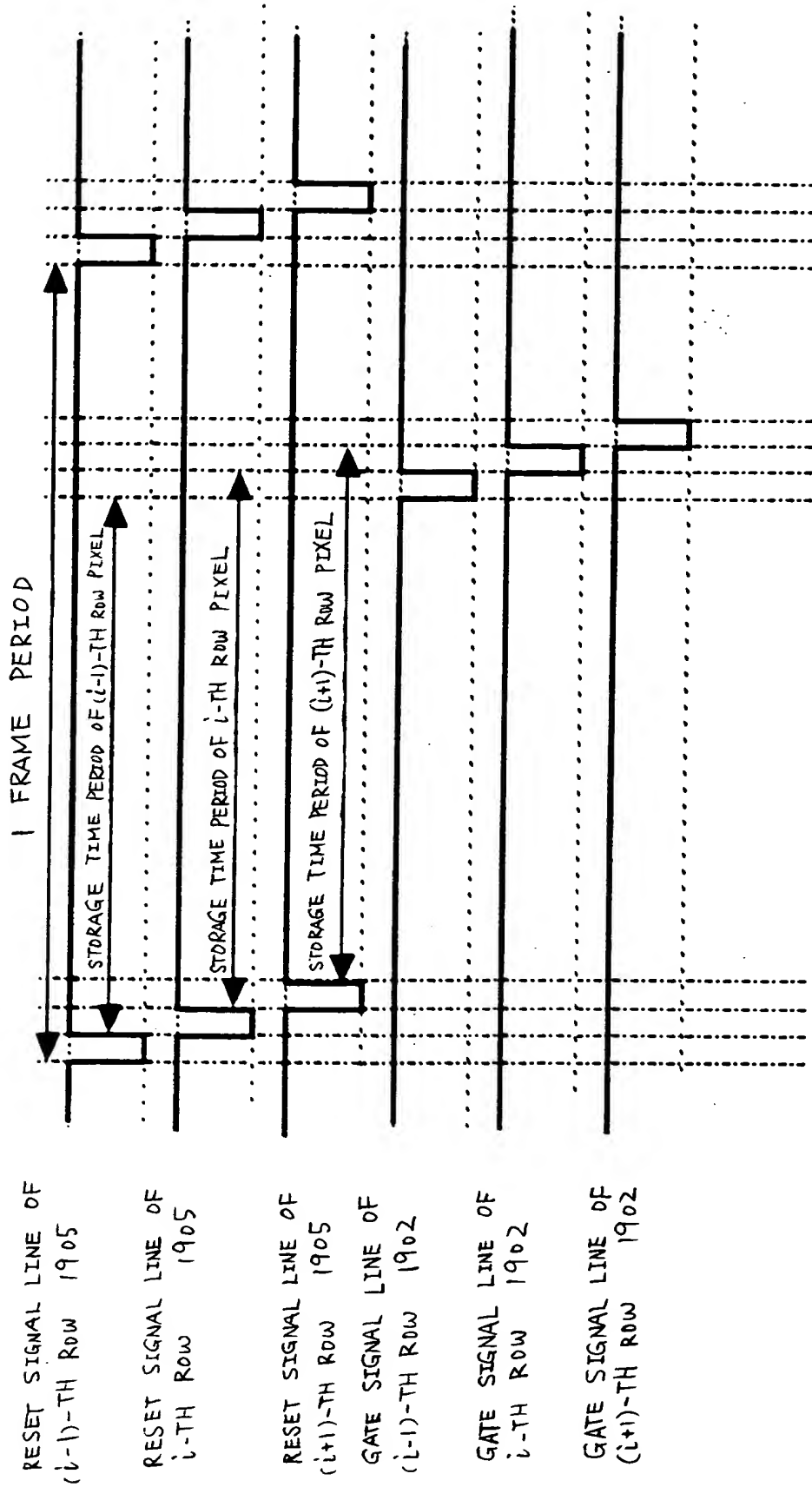
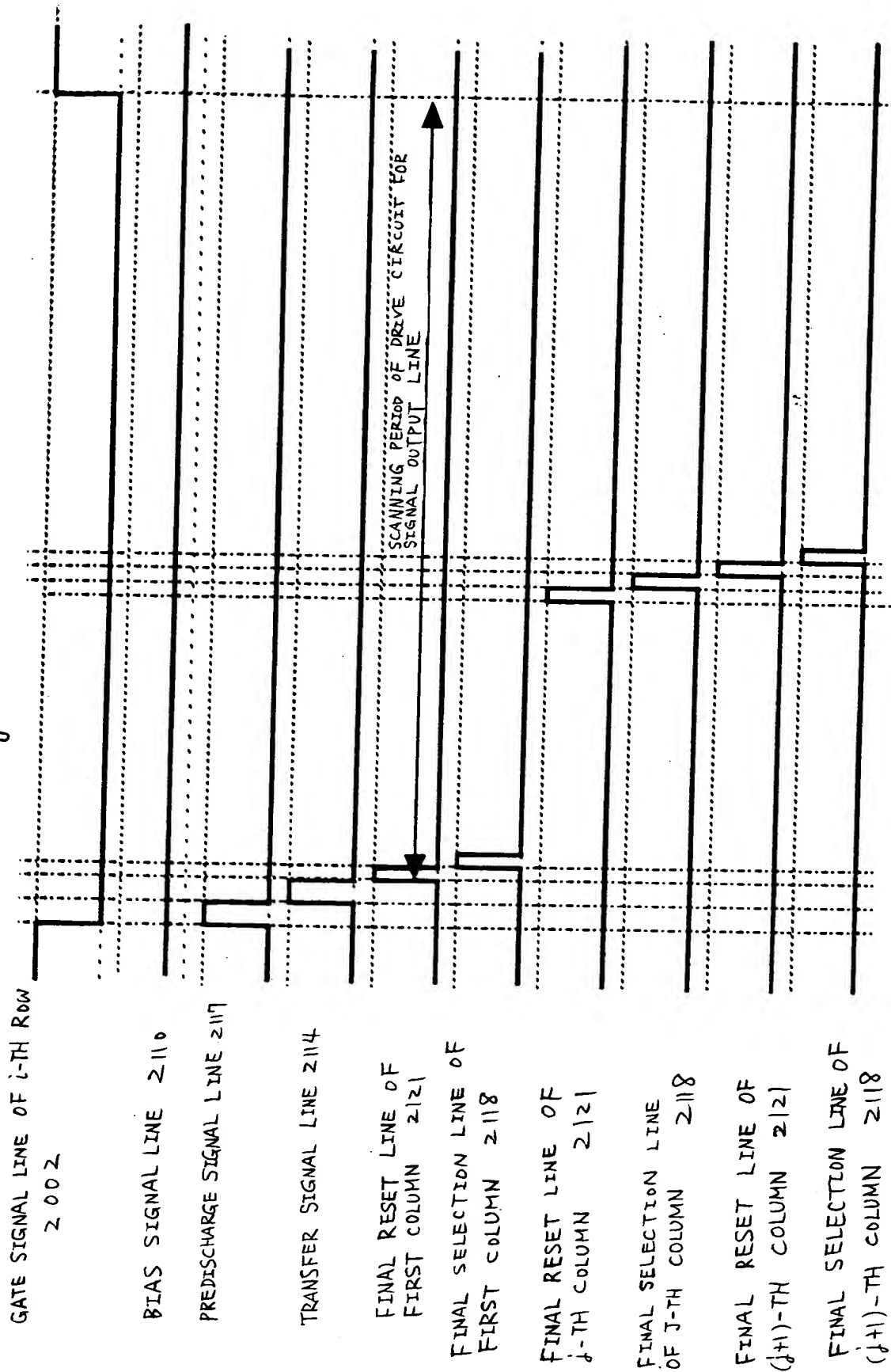


Fig. 25



CRYSTALLIZATION STEP

Fig. 26A

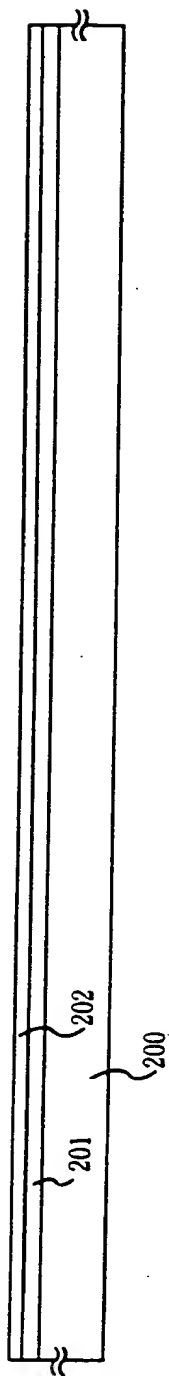
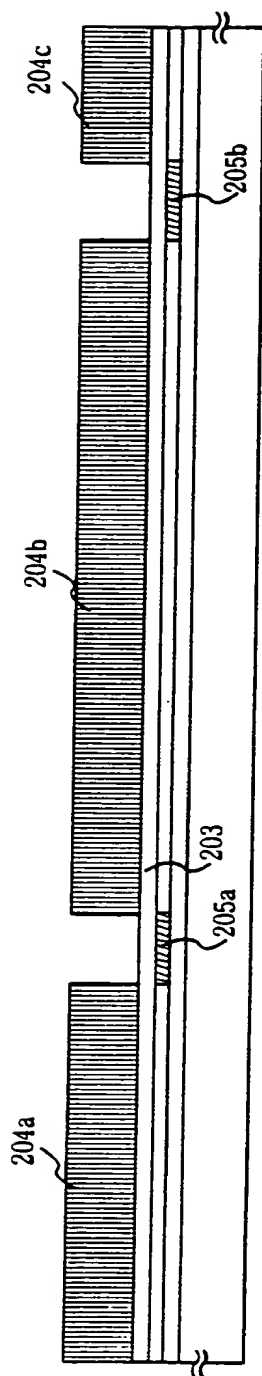


Fig. 26B



LASER ANNEALING STEP

Fig. 26C

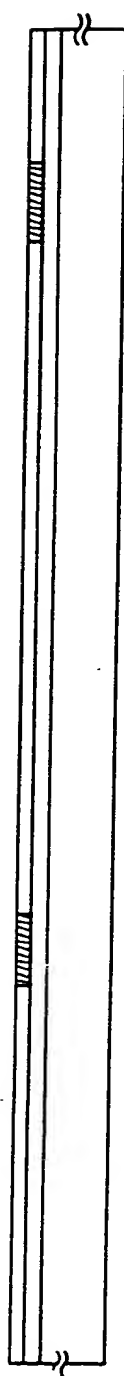


Fig. 26D

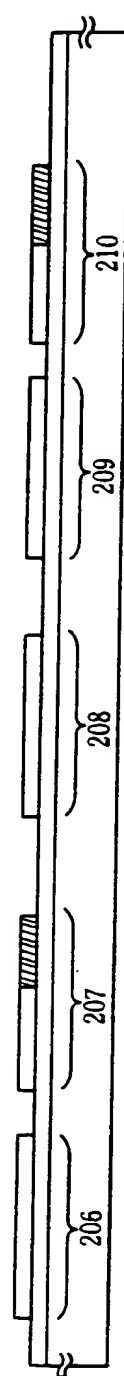


Fig. 27A

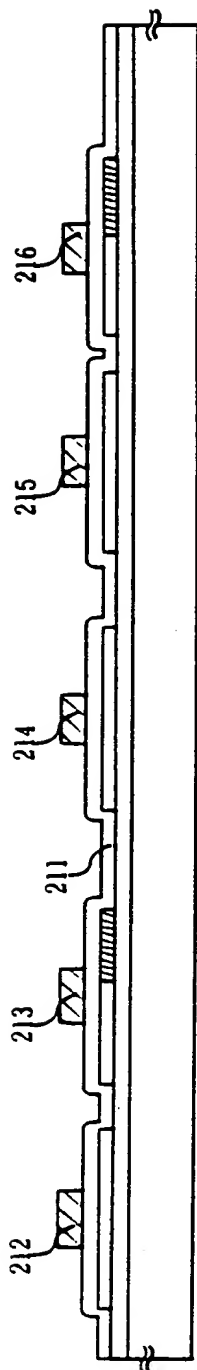


Fig. 27B

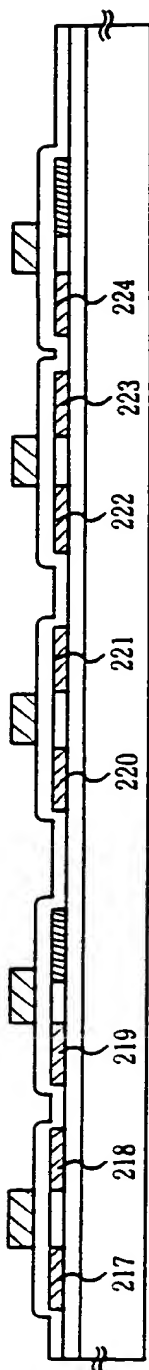


Fig. 27C

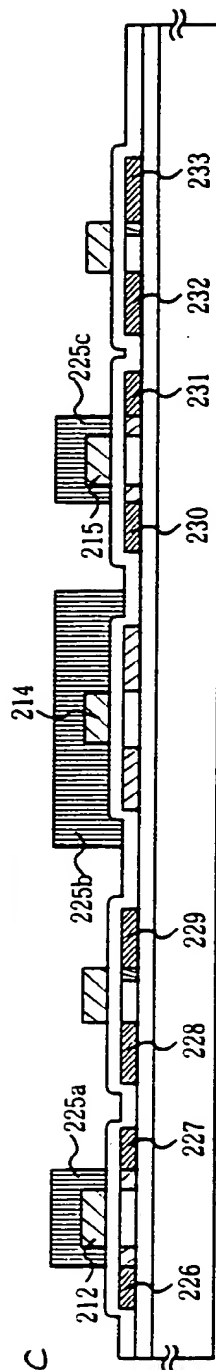


Fig. 27D

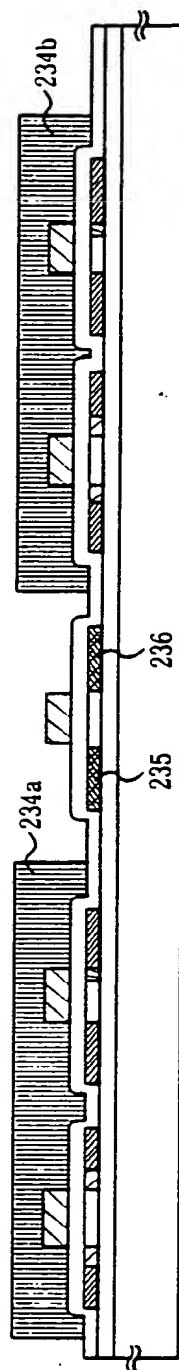


Fig. 28A

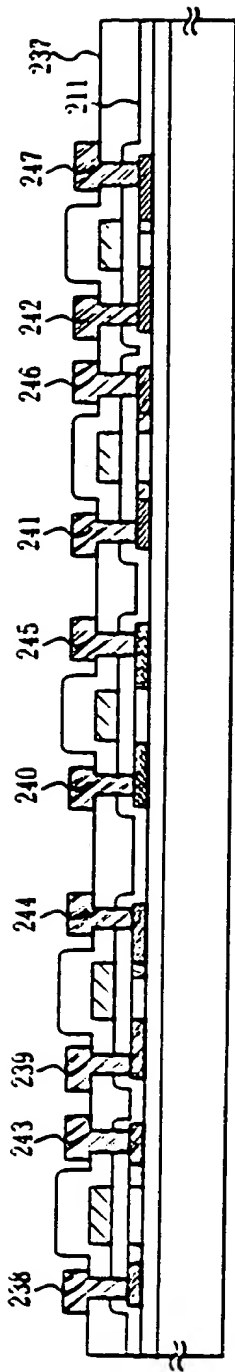


Fig. 28B

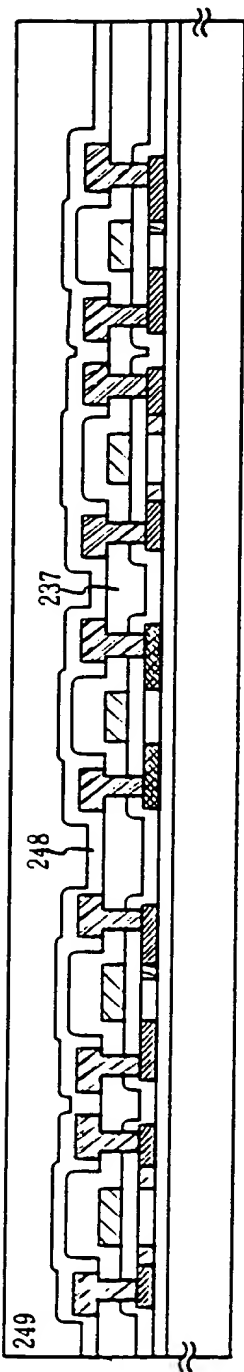


Fig. 28c

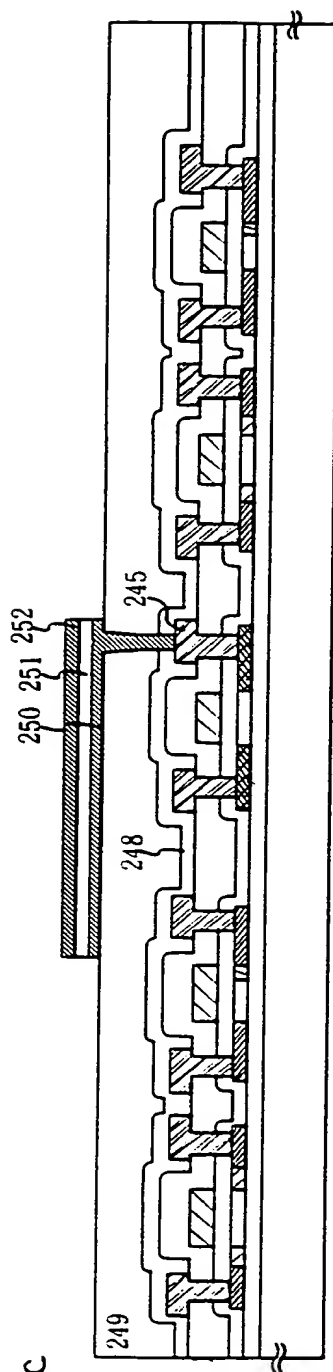


Fig. 29A

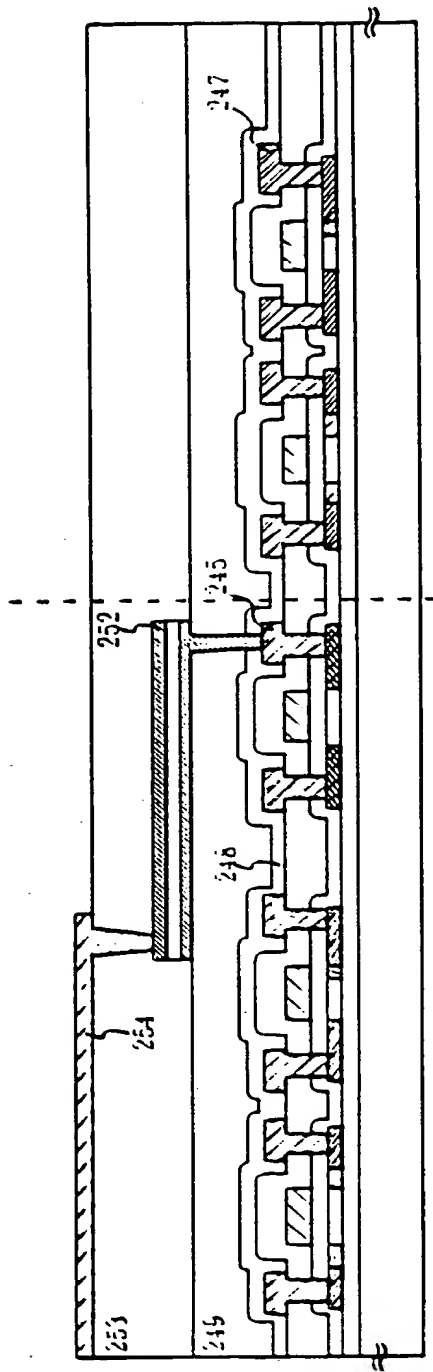
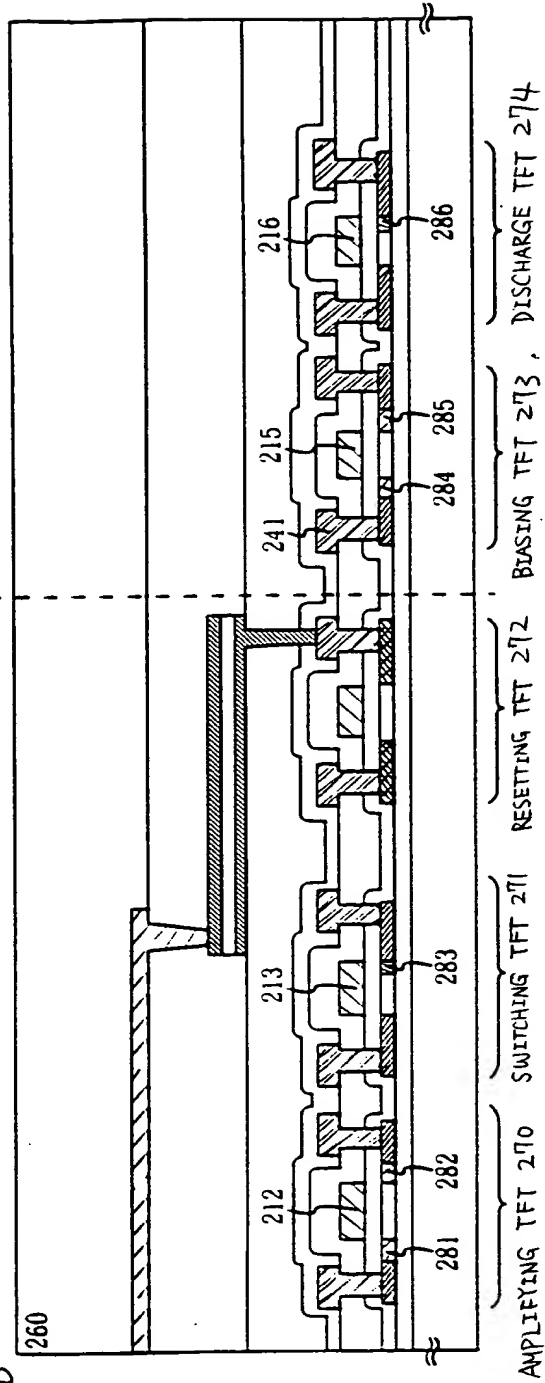


Fig. 29B



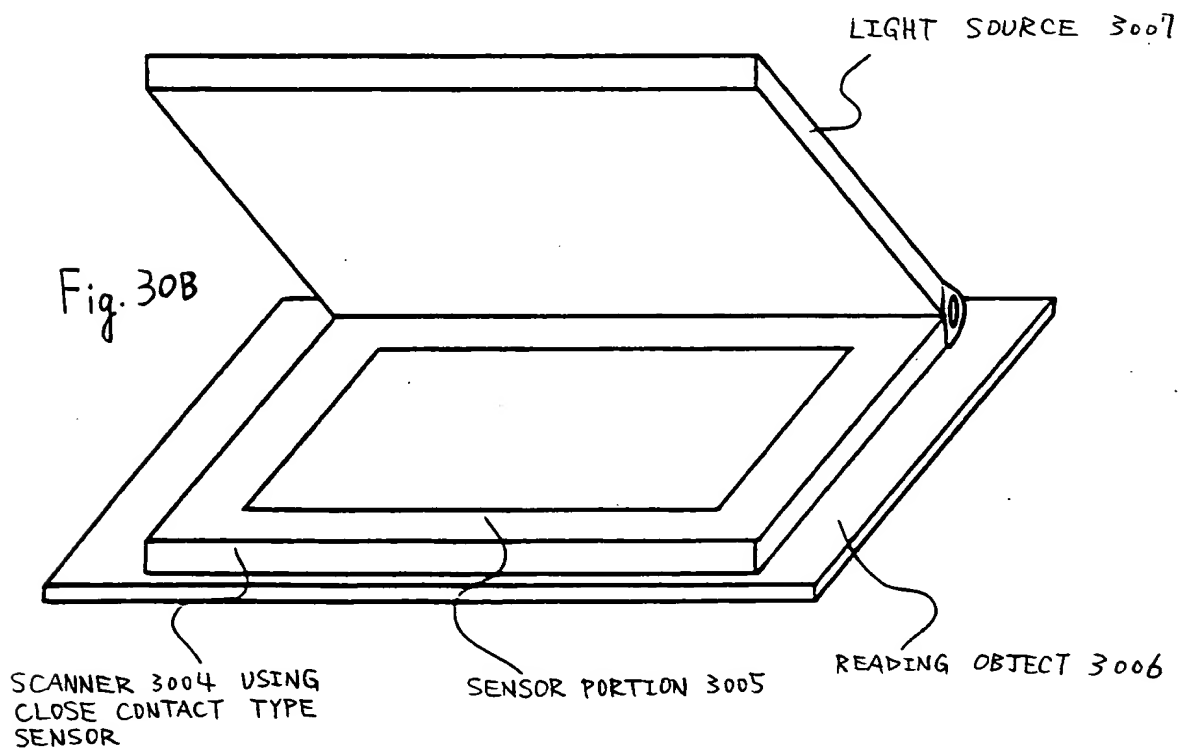
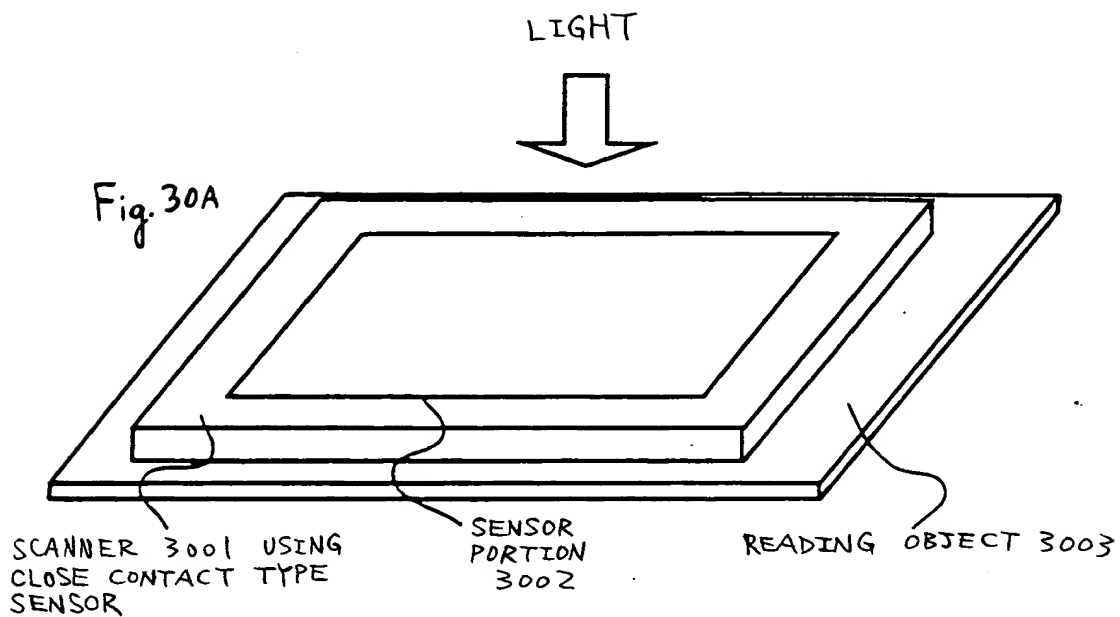


FIG. 31A

